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NOTICE OF ALLOWANCE AND FEE(S) DUE

53148 7590 03/06/2009 HAMRE, SCHUMANN, MUELLER & LARSON P.C. P.O. BOX 2902-0902 EXAMINER

PATEL, ASHOK

ART UNIT PAPER NUMBER

2889 DATE MAILED: 03/06/2009

 APPLICATION NO.
 FILING DATE
 FIRST NAMED INVENTOR
 ATTORNEY DOCKET NO.
 CONFRMATION NO.

 10/597,658
 08/02/2006
 Hiroshi Yagi
 10873.1916USWO
 4480

APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/08/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

MINNEAPOLIS, MN 55402

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further indicated unless correcte maintenance fee notificat	form should be used I correspondence including d below or directed off ions	for transmitting the Patent, nerwise in Blo	g the ISSI advance o ock 1, by (UE FEE and PUBLE rders and notification a) specifying a new o	CATI of n	ON FEE (if requinaintenance fees who pondence address;	red). B rill be a and/or	Hocks 1 through 5 s mailed to the current (b) indicating a sep	hould b corresp trate "Fl	e completed where ondence address as EE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)					Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
F3148 HAMRE, SCH P.O. BOX 2902- MINNEAPOLIS			ARSON	P.C.	Lber	Cer	tificate	of Mailing or Trans Transmittal is being ficient postage for fir ISSUE FEE address 273-2885, on the d	denovi	ted with the United
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APPLICATION NO.	FILING DATE			FIRST NAMED INVE	TOR		ATTO	RNEY DOCKET NO.	CONF	TRMATION NO.
10/597,658	08/02/2006			Hiroshi Yagi		10873.1916USWO				4480
TITLE OF INVENTION									-	
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nonprovisional	nonprovisional NO		\$1510 \$30			\$0		\$1810		06/08/2009
EXAMINER		ART U	ART UNIT CLASS-SUBCLA		S					
PATEL,		288		313-490000						
I. Change of correspondence address or indication of "Fee Address" (7: CFR 1.863). Change of correspondence address (c Change of Correspondence Address from PTO/SBI/22) attacked. The Address Findication for "Fee Address" indication form PTO/SBI/27 stew 0.3-02 or more recenal attacked. Use of a Custome Number is required. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED O			oondence rm Customer	or agents OR, alte (2) the name of a registered attorne 2 registered paten listed, no name w	e names of up to 3 registered patent attorneys 1 mitto OR, alternatively, 2 e name of a single firm (having as a member a 2 ercent attorney or agent) and the names of up to stered patent attorneys or agents. If no name is 3 no name will be grifted,					
PLEASE NOTE: Uni recordation as set forti (A) NAME OF ASSIC Please check the appropri				(B) RESIDENCE: (CITY	and STATE OR C	OUNT	RY)		
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NOTE: The Issue Fee and interest as shown by the r	I Publication Fee (if req ecords of the United Sta	uired) will not ites Patent and	be accepte Trademark	ed from anyone other i k Office.	than th	ne applicant; a regi	stered a	ttorney or agent; or the	ne assign	ee or other party in
Authorized Signature						Date				
Typed or printed name				Registration No.						
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53148 75	90 03/06/2009	EXAMINER				
HAMRE, SCHU	MANN, MUELLER	PATEL, ASHOK				
P.O. BOX 2902-09		ART UNIT	PAPER NUMBER			
MINNEAPOLIS, I	MN 55402		2889			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 351 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 351 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/597.658 YAGI ET AL. Notice of Allowability Examiner Art Unit 2889 Ashok Patel -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to applicant's IDS and an RCE received on 02/17/2009. The allowed claim(s) is/are 1-10. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) \(\subseteq \text{Some* c} \) \(\subseteq \text{None of the:} \) a) \square All 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- 2. Notice of Draftperson's Patent Drawing Review (PTO-948)
- Information Disclosure Statements (PTO/SB/08).
- Paper No./Mail Date 02172009
- 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413),
- Paper No./Mail Date 7. ☐ Examiner's Amendment/Comment
- 8. X Examiner's Statement of Reasons for Allowance
- Other .

Art Unit: 2889

1. The following is an examiner's statement of reasons for allowance: prior art of the record and applicant's recently submitted prior art reference JP 2005-310525, does not disclose applicant's claimed fluorescent lamp, or applicant's claimed illumination device including the fluorescent lamp, or applicant's claimed method of manufacturing the fluorescent lamp, the lamp including:

a glass bulb provided with a phosphor film on its internal face, in which a rare gas and an amalgam pellet are enclosed,

wherein the amalgam pellet contains zinc, tin, and mercury, one or a plurality of the amalgam pellets are enclosed in the glass bulb, and each of the amalgam pellets has a weight of not more than 20 mg, and

 $45x(1-A) \le x \le 55x(1-A)$, $75A \le y \le 85A$, $45-30A \le z \le 55-30A$, and $x+y+z \le 100$,

where A represents a value whose lower limit is determined as:

 $A \ge 0.3-(S/25)$ and $A \ge 0.1$ when $0 < L2/D 1.5x 10^4$,

Art Unit: 2889

 $A \ge 0.4 - (S/25)$ and $A \ge 0.2$ when $1.5 \times 10^4 < L2fD \le 5 \times 10^4$, or

 $A \ge 0.5 - (S/25)$ and $A \ge 0.3$ when $5x10^4 < L2/D \le 8.5x10^4$.

where D represents an internal diameter of the glass bulb in millimeters,

- L represents a length of a discharge path in millimeters,
- S represents a surface area of the amalgam pellet in square $\mbox{millimeters}$,
 - x represents a content of zinc in percent by weight,
 - y represents a content of tin in percent by weight, and
 - z represents a content of mercury in percent by weight.
- 2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ashok Patel whose telephone number is 571-272-2456. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Minh-Toan Ton can be reached on 571-272-2303. The fax phone number for the

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organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Ashok Patel/ Ashok Patel Primary Examiner Art Unit 2879